Contents of Volumes 43-44 · 2003/2004

Adachi K. Nelson GH. Peoples KA. DeZwaan TM, Skalchunes AR, Heiniger RW, Shuster JR, Hamer L, Tanzer MM: Sequence analysis and functional characterization of the dialkylglycine decarboxylase gene DGD1 from Mycosphaerella graminicola 358

Aguilar-Elena R → Velayos A

Ahn JY -> Kim TS Akiyama K → Jain S Alamäe T → Karp H Álvarez MI → Velayos A Aramayo R -> Kutil BL Aramayo R → Lee DW Arseniuk E → Ueng PP Atkin AL → Shields CM Atkin AL → Kebaara B

Ault JG → Riordan CE

Avila M - Manubens A

Bali M - Danzi SE Barbieri E → Guidi C Béguiristain T → Díez J Bell PJL → Bradner JR Ben-Aroya S → Koren A

Berger J → Tahirovic S Bergstrom GC → Ueng PP Boccara M → Choquer M

Boles E → Diezemann A Bollenbach TJ → Cahoon AB

Bradner JR, Bell PJL, Te'o VSJ, Nevalainen KMH: The application of PCR for the isolation of a lipase gene from the genomic DNA of an Antarctic micro-

fungus 224 Braus GH → Irniger S Braus GH → Düvel K Bruel C → Rolland S

Brunner K, Peterbauer CK, Mach RL, Lorito M, Zeilinger S, Kubicek CP: The Nagl N-acetylglucosaminidase of Trichoderma atroviride is essential for chitinase induction by chitin and of major relevance to biocontrol 289

Burich R, Lei M: Two bipartite NLSs mediate constitutive nuclear localization of Mcm10 195

Cahoon AB, Cunningham KA, Bollenbach TJ, Stern DB: Maize BMS cultured cell lines survive with massive plastid gene loss 104

Campoy S, Pérez F, Martín JF, Gutiérrez S, Liras P: Stable transformants of the azaphilone pigment-producing Monascus purpureus obtained by protoplast transformation and Agrobacterium-mediated DNA transfer 447

Canessa P → Manubens A Casacuberta JM → Díez J

Chanet R, Heude M: Characterization of mutations that are synthetic lethal with pol3-13, a mutated allele of DNA polymerase delta in Saccharomyces cerevisiae 337

Chaudhuri M. Nargang FE: Import and assembly of Neurospora crassa Tom40 into mitochondria of Trypanosoma brucei in vivo 85

Cheatle J → Shields CM Chen XJ → Senapin S

Choquer M, Boccara M, Vidal-Cros A: A semi-quantitative RT-PCR method to readily compare expression levels within Botrytis cinerea multigenic families in vitro and in planta 303

Chuma I, Tosa Y, Taga M, Nakayashiki H. Mayama S: Meiotic behavior of a supernumerary chromosome in Magna-

porthe orvzae 191

Chung K-R, Daub ME, Ehrenshaft M: Expression of the cercosporin toxin resistance gene (CRG1) as a dicistronic mRNA in the filamentous fungus Cercospora nicotianae 415

Clark-Walker GD → Senapin S Cozijnsen AJ, Howlett BJ: Characterisation of the mating-type locus of the plant pathogenic ascomycete Leptosphaeria maculans 351

Cui K → Ueng PP

Cummings MP, Nugent JM, Olmstead RG, Palmer JD: Phylogenetic analysis reveals five independent transfers of the chloroplast gene rbcL to the mitochondrial genome in angiosperms 131

Cunfer BM → Ueng PP Cunningham KA → Cahoon AB Czembor PC → Ueng PP

Dai Q → Ueng PP Danzi SE, Bali M, Michels CA: Clusteredcharge to alanine scanning mutagenesis of the Mal63 MAL-activator C-terminal regulatory domain 173

Daub ME → Chung K-R Davis D: Adaptation to environmental pH in Candida albicans and its relation to pathogenesis 58

Davis D: Adaptation to environmental pH in Candida albicans and its relation to pathogenesis 1

Dawe AL → Parsley TB de Araújo EF → Lima JO de Queiroz MV → Lima JO de Resende MLV - Lima JO De Wit PJGM → Snoeijers SS Debaud J-C → Jargeat P DeZwaan TM → Adachi K Dieckmann CL → Islas-Osuna MA

Díez J, Béguiristain T, Le Tacon F, Casacuberta JM, Tagu D: Identification of Tyl-copia retrotransposons in three ectomycorrhizal basidiomycetes: evolutionary relationships and use as molecular markers 34

Diezemann A, Boles E: Functional characterization of the Frt1 sugar transporter and of fructose uptake in Kluyveromyces lactis 281

dos Santos JK -> Lima JO Drescher A → Swiatek M Düvel K. Pries R. Braus GH: Polyadenylation of rRNA- and tRNA-based yeast transcripts cleaved by internal ribozyme activity 255

Eckert SE → Johnson H Egener T - Hohe A Ehrenshaft M → Chung K-R Eichinger L: Revamp a model-status and prospects of the Dictyostelium genome project 59 Eisendle M → Oberegger H Ekwall K → Okorokova-Facanha AL Ellis TP → Islas-Osuna MA Eslava AP → Velayos A

Fèvre M → Rolland S Fitt BDL → Foster SJ Fleck O - Grishchuk AL Forsburg SL -> Snaith HA Foster SJ, Fitt BDL: Isolation and characterisation of the mating-type (MAT) locus from Rhynchosporium secalis 277 Fraissinet-Tachet L → Jargeat P Fuentes-Vicente M → Velayos A

Gaiewska B, Shcherbik N, Oficialska D, Haines DS, Zoładek T: Functional analysis of the human orthologue of the RSP₅ encoded ubiquitin protein ligase, hNedd₄, in yeast 1

Gay G - Jargeat P Gold MH → Ma B Golobinski R → Maor R Goodwin P → Maor R Goosen T → Snoeijers SS Graessle S → Oberegger H Greiner S → Swiatek M

Grishchuk AL, Kraehenbuehl R, Molnar M, Fleck O, Kohli J: Genetic and cytological characterization of the RecAhomologous proteins Rad51 and Dmc1 of Schizosaccharomyces pombe 317

Guidi C, Zeppa S, Barbieri E, Zambonelli A, Polidori E, Potenza L, Stocchi V: A putative mitochondrial fission gene from the ectomycorrhizal ascomycete Tuber borchii Vittad.: cloning, characterisation and phylogeny 148 Gutiérrez S → Campoy S

Haag JR → Lee DW Haas H → Oberegger H Haifley A → Shields CM Haines DS → Gajewska B Hamasaki N → Okamaoto M Hamer L → Adachi K Hatakeyama T → Suga M Hayashi J-I → Okamaoto M Heiniger RW → Adachi K Heinisch JJ → Schmitz H-P Heinisch JJ → López ML Herrmann RG → Swiatek M

Heude $M \rightarrow Chanet \ R$ Hilti $N \rightarrow Naula \ N$ Hoff $B \rightarrow P\ddot{o}ggeler \ S$

Hohe A, Egener T, Lucht JM, Holtorf H, Reinhard C, Schween G, Reski R: An improved and highly standardised transformation procedure allows efficient production of single and multiple targeted gene-knockouts in a moss, *Phys*comitrella patens 339

Holtorf H \rightarrow Hohe A Hou A \rightarrow Shields CM Howlett BJ \rightarrow Cozijnsen AJ Hudson AP \rightarrow Lu L

Inlow M → Liu X
Irniger S, Braus GH: Controlling transcription by destruction: the regulation of yeast Gcn4p stability 8
Ishihama A → Mitsuzawa H
Islas-Osuna MA, Ellis TP, Mittelmeier
TM, Dieckmann CL: Suppressor mutations define two regions in the Cbp1 protein important for mitochondrial cytochrome b mRNA stability in Saccharomyces cerevisiae 327
Isobe K → Okamaoto M
Iturriaga EA → Velayos A

Järviste A → Karp H

Jain S, Akiyama K, Kan T, Ohguchi T,
Takata R: The G protein β subunit
FGB1 regulates development and pathogenicity in Fusarium oxysporum 79

Jargeat P, Rekangalt D, Verner M-C, Gay G, Debaud J-C, Marmeisse R, Fraissinet-Tachet L: Characterisation and expression analysis of a nitrate transporter and nitrite reductase genes, two members of a gene cluster for nitrate assimilation from the symbiotic basidiomycete Hebeloma Zcylindrosporum 199

Jenczmionka NJ, Maier FJ, Lösch AP, Schfer W: Mating, conidiation and pathogenicity of *Fusarium graminearum*, the main causal agent of the head-blight disease of wheat, are regulated by the MAP kinase gpmk1 87

Jobic C → Rolland S

Johnson H, Whiteford JR, Eckert SE, Spanu PD: Production and secretion of Aspergillus nidulans catalase B in filamentous fungi driven by the promoter and signal peptide of the Cladosporium fulvum hydrophobin gene hcf-1 155

Kan T → Jain S
Kang D → Okamaoto M
Kang HS → Kim TS
Kang S → Ospina-Giraldo MD
Karp H, Järviste A, Kriegel TM, Alamäe T:
Cloning and biochemical characterization
of hexokinase from the methylotrophic
yeast Hansenula polymorpha 268
Kebaara B, Nazarenus T, Taylor R, Atkin
AL: Genetic background affects relative

nonsense mRNA accumulation in wild-

type and upf mutant yeast strains 171

Keithly $JS \rightarrow Riordan CE$ Kemp $S \rightarrow Swiatek M$

Keszenman-Pereyra D, Lawrence S, Twfieg M-E, Price J, Turner G: The npgA/cfwA gene encodes a putative 4'-phosphopantetheinyl transferase which is essential for penicillin biosynthesis in Aspergillus nidulans 186

Kim TS, Ahn JY, Yoon JH, Kang HS: STA10 repression of STA gene expression is caused by a defective activator, flo8, in Saccharomyces cerevisiae 261

Kohli J → Grishchuk AL
Koop H-U → Swiatek M
Koren A, Ben-Aroya S, Steinlauf R,
Kupiec M: Pitfalls of the synthetic lethality screen in Saccharomyces cerevisiae:
an improved design 62
Kosman E → Maor R
Kraehenbuehl R → Grishchuk AL
Kriegel TM → Karp H
Kruszewska JS → Zakrzewska A

Kupiec M → Koren A Kutil BL, Seong K-Y, Aramayo R: Unpaired genes do not silence their paired neighbors 425

Labarère J → Sirand-Pugnet P

Kubicek CP → Brunner K

Kück U → Pöggeler S

Lagerstedt JO → Persson BL Lakshman DK → Liu C Lakshmanan J, Mosley AL, Özcan S: Repression of transcription by Rgt1 in the absence of glucose requires Std1 and

Langreth SG → Riordan CE Lawrence S → Keszenman-Pereyra D Le Tacon F → Diez J Lee DW, Haag JR, Aramayo R:

Lee DW, Haag JR, Aramayo R: Construction of strains for rapid homokaryon purification after integration of constructs at the histidine-3 (his-3) locus of Neurospora crassa 17

 $\begin{array}{c} Lei \ M \rightarrow Burich \ R \\ Leung \ B \rightarrow Peng \ Z \end{array}$

Lima JO, dos Santos JK, Pereira JF, de Resende MLV. de Araújo EF, de Queiroz MV: Development of a transformation system for *Crinipellis perniciosa*, the causal agent of witches' broom in cocoa plants 70

Liras P → Campoy S
Liu C, Lakshman DK, Tavantzis SM:
Quinic acid induces hypovirulence and
expression of a hypovirulence-associated
double-stranded RNA in *Rhizoctonia*solani 103

Liu X, Inlow M, VanEtten HD: Expression profiles of pea pathogenicity (*PEP*) genes in vivo and in vitro, characterization of the flanking regions of the *PEP* cluster and evidence that the *PEP* cluster region resulted from horizontal gene transfer in the fungal pathogen *Nectria haemato-cocca* 95

Löffelhardt W → Steiner JM Lösch AP → Jenczmionka NJ López ML, Redruello B, Valdés E, Moreno F, Heinisch JJ, Rodicio R: Isocitrate lyase of the yeast *Kluyveromyces lactis* is subject to glucose repression but not to catabolite inactivation 305

Lorito M → Brunner K Lu L, Roberts G, Simon K, Yu J, Hudson AP: Rsflp, a protein required for respiratory growth of Saccharomyces cerevisiae 263

Lucht JM \rightarrow Hohe A Lundh F \rightarrow Persson BL Lundh K \rightarrow Persson BL

Ma B, Mayfield MB, Gold MH: Homologous expression of *Phanerochaete chrysosporium* manganese peroxidase, using bialaphos resistance as a dominant selectable marker 407

Mach RL → Brunner K Maier FJ → Jenczmionka NJ Maier RM → Swiatek M

Manubens A, Avila M, Canessa P, Vicuña R: Differential regulation of genes encoding manganese peroxidase (MnP) in the basidiomycete Ceriporiopsis subvermispora 433

Maor R, Kosman E, Golobinski R, Goodwin P, Sharon A: PF-IND: probability algorithm and software for separation of plant and fungal sequences 296

sequences 296

Marlett J → Snaith HA

Marmeisse R → Jargeat P

Martin JF → Campoy S

Masloff S → Pöggeler S

Mayama S → Chuma I

Mayfield MB → Ma B

Mayinger P → Tahirovic S

Mayrhofer S → Pöggeler S

McColl D, Valencia CA, Vierula PJ: Characterization and expression of the *Neurospora crassa nmt-1* gene 216

McLeod M → Peng Z

Merkle T: Nucleo-cytoplasmic partitioning
of proteins in plants: implications for the
regulation of environmental and developmental signalling 231

Meyer V, Mueller D, Strowig T, Stahl U: Comparison of different transformation methods for Aspergillus giganteus 371

Michels CA → Danzi SE
Migdalski A → Zakrzewska A
Mitsuzawa H, Ishihama A: RNA polymerase II transcription apparatus in
Schizosaccharomyces pombe 287
Mittelmeier TM → Islas-Osuna MA

Molnar $M \rightarrow Grishchuk \ AL$ Moreno $F \rightarrow L\acute{o}pez \ ML$ Mosley $AL \rightarrow L\acute{a}kshmanan \ J$ Mueller $D \rightarrow Meyer \ V$

Mullins E → Ospina-Giraldo MD

Nakada K → Okamaoto M Nakayashiki H → Chuma I Nargang FE → Chaudhuri M Naula N, Hilti N, Schweingruber AM, Schweingruber ME: Cordycepin in Schizosaccharomyces pombe: effects on

the wild type and phenotypes of mutants resistant to the drug 400 Nazarenus T → Shields CM Nazarenus T → Kebaara B

Nelson GH → Adachi K Nevalainen KMH → Bradner JR

Nickelsen J: Chloroplast RNA-binding proteins 392

Nosek J, Tomáška L': Mitochondrial genome diversity: evolution of the molecular architecture and replication strategy 73 Nugent JM → Cummings MP Nuss DL → Parsley TB

Oberegger H, Eisendle M, Schrettl M, Graessle S, Haas H: 4'-Phosphopantetheinyl transferase-encoding npgA is essential for siderophore biosynthesis in Aspergillus nidulans 211

Oficjalska D → Gajewska B Ohguchi T → Jain S Ohsato T → Okamaoto M

Okamaoto M, Ohsato T, Nakada K, Isobe K, Spelbrink JN, Hayashi J-I, Hamasaki N, Kang D: Ditercalinium chloride, a pro-anticancer drug, intimately associates with mammalian mitochondrial

DNA and inhibits its replication 364 Okorokov LA → Okorokova-Façanha AL Okorokova-Façanha AL, Okorokov LA, Ekwall K: An inventory of the P-type

ATPases in the fission yeast Schizosaccharomyces pombe Olmstead RG → Cummings MP

Ospina-Giraldo MD, Mullins E, Kang S: Loss of function of the Fusarium oxysporum SNF1 gene reduces virulence on cabbage and Arabidopsis 49

Özcan S -> Lakshmanan J

Palamarczyk G → Zakrzewska A Palmer JD → Cummings MP Papp T → Velayos A

Parslev TB, Segers GC, Nuss DL, Dawe AL: Analysis of altered G-protein subunit accumulation in Cryphonectria parasitica reveals a third Ga homologue 24

Pattison-Granberg J → Persson BL Peng Z, Wang W, Schettino A, Leung B, McLeod M: Inactivation of Ran1/Pat1 kinase bypasses the requirement for high-level expression of mei2 during fission yeast meiosis 178

Penttila ME → Zakrzewska A Peoples KA → Adachi K Pereira JF → Lima JO Pérez F → Campoy S

Pérez-García A → Snoeijers SS Persson BL, Lagerstedt JO, Pratt JR, Pattison-Granberg J, Lundh K, Shokrollahzadeh S, Lundh F: Regulation of

phosphate acquisition in Saccharomyces cerevisiae 225

Peterbauer CK → Brunner K Plüddemann A, van Zyl WH: Evaluation of Aspergillus niger as host for virus-like particle production, using the hepatitis B surface antigen as a model 439

Pöggeler S, Masloff S, Hoff B, Mayrhofer S, Kück U: Versatile EGFP reporter plasmids for cellular localization of recombinant gene products in filamentous fungi 54

Polidori E → Guidi C Pompe JA → Steiner JM Potenza L → Guidi C

Pratt JR → Persson BL Price J → Keszenman-Pereyra D

Pries R → Düvel K

Ramezani-Rad M: The role of adaptor protein Ste50-dependent regulation of the MAPKKK Stell in multiple signalling pathways of yeast 161

Ramotar D, Wang H: Protective mechanisms against the antitumor agent bleomycin: lessons from Saccharomyces cerevisiae 213

Redruello B → López ML Reinhard C → Hohe A Rekangalt D → Jargeat P Reski R -> Hohe A

Riordan CE, Ault JG, Langreth SG, Keithly JS: Cryptosporidium parvum Cpn60 targets a relict organelle 138

Roberts G -> Lu L Rodicio R -> López ML

Rolland S, Jobic C, Fèvre M, Bruel C: Agrobacterium-mediated transformation of Botrytis cinerea, simple purification of monokaryotic transformants and rapid conidia-based identification of the transfer-DNA host genomic DNA flanking sequences 164

Saloheimo M → Zakrzewska A Santos C → Sirand-Pugnet P Schäfer W → Jenczmionka NJ Schäfer B: Genetic conservation versus variability in mitochondria: the architecture of the mitochondrial genome in the petite-negative yeast Schizosaccharomyces pombe 311

Schüller H-J: Transcriptional control of nonfermentative metabolism in the yeast Saccharomyces cerevisiae 139

Schünemann D: Structure and function of the chloroplast signal recognition particle 295

Schettino A → Peng Z

Schmitz H-P, Heinisch JJ: Evolution, biochemistry and genetics of protein kinase C in fungi 245

Schorr M → Tahirovic S Schrettl M → Oberegger H Schfer W -> Jenczmionka NJ Schwarz H → Tahirovic S

Schween G → Hohe A

Schweingruber AM → Naula N Schweingruber ME → Naula N Segers GC → Parsley TB

Senapin S, Chen XJ, Clark-Walker GD: Transcription of TIM9, a new factor required for the petite-positive phenotype of Saccharomyces cerevisiae, is defective in spt7 mutants 202

Seong K-Y → Kutil BL

Sharon A → Maor R

Shcherbik N → Gajewska B Shields CM, Taylor R, Nazarenus T, Cheatle J. Hou A. Tapprich A. Haifley A, Atkin AL: Saccharomyces cerevisiae Atslp interacts with Naplp, a cytoplasmic protein that controls bud morphogenesis 184

Shokrollahzadeh S → Persson BL

Shuster JR → Adachi K Sia EA → Sia RAL

Sia RAL, Urbonas BL, Sia EA: Effects of ploidy, growth conditions and the mitochondrial nucleoid-associated protein Ilv5p on the rate of mutation of mitochondrial DNA in Saccharomyces cerevisiae 26

Simon K → Lu L

Sirand-Pugnet P, Santos C, Labarère J: The Aa-Pri4 gene, specifically expressed during fruiting initiation in the Agrocybe aegerita complex, contains an unusual CT-rich leader intron within the 5' uncoding region 124

Skalchunes AR → Adachi K

Snaith HA, Marlett J, Forsburg SL: Ibp1p, a novel Cdc25-related phosphatase, suppresses Schizosaccharomyces pombe hsk1 (cdc7) 38

Snoeijers SS, Pérez-García A, Goosen T. De Wit PJGM: Promoter analysis of the avirulence gene Avr9 of the fungal tomato pathogen Cladosporium fulvum in the model filamentous fungus Aspergillus nidulans 96

Spanu PD → Johnson H Spelbrink JN → Okamaoto M

Stahl U → Meyer V

Steiner JM, Pompe JA, Löffelhardt W: Characterization of apcC, the nuclear gene for the phycobilisome core linker polypeptide L_c^{7.8} from the glaucocystophyte alga Cyanophora paradoxa. Import of the precursor into isolated cyanelles and integration of the mature protein into intact phycobilisomes 132

Steinlauf R -> Koren A Stern DB → Cahoon AB Stocchi V -> Guidi C Strowig $T \rightarrow Meyer V$

Suga M, Hatakeyama T: High-efficiency electroporation by freezing intact yeast cells with addition of calcium 206

Swiatek M, Greiner S, Kemp S, Drescher A, Koop H-U, Herrmann RG, Maier RM: PCR analysis of pulsed-field gel electrophoresis-purified plastid DNA, a sensitive tool to judge the heterohomoplastomic status of plastid transformants 45

Taga M → Chuma I Tagu D → Díez J

Tahirovic S, Schorr M, Then A, Berger J, Schwarz H, Mayinger P: Role for lipid signaling and the cell integrity MAP kinase cascade in yeast septum biogenesis 71

Takata R → Jain S

Tanzer MM \rightarrow Adachi K Tapprich A \rightarrow Shields CM Tavantzis SM \rightarrow Liu C Taylor R \rightarrow Kebaara B Taylor R \rightarrow Shields CM Te'o VSJ \rightarrow Bradner JR Then A \rightarrow Tahirovic S Tomáška L' \rightarrow Nosek J Tosa Y \rightarrow Chuma I Tsang H \rightarrow Ueng PP Turner G \rightarrow Keszenman-Pereyra D Twfieg M-E \rightarrow Keszenman-Pereyra D

Ueng PP, Dai Q, Cui K, Czembor PC, Cunfer BM, Tsang H, Arseniuk E, Bergstrom GC: Sequence diversity of mating-type genes in *Phaeosphaeria* avenaria 121

Urbonas BL → Sia RAL

Valdés $E \rightarrow L$ ópez MLValencia $CA \rightarrow McColl\ D$ van Vuuren $HJJ \rightarrow V$ olschenk Hvan $Zyl\ WH \rightarrow Plüddemann\ A$ VanEtten HD → Liu X

Velayos A, Papp T, Aguilar-Elena R,
Fuentes-Vicente M, Eslava AP, Iturriaga
EA, Álvarez MI: Expression of the carG
gene, encoding geranylgeranyl
pyrophosphate synthase, is upregulated by blue light in Mucor
circinelloides 112

Verner M-C → Jargeat P
Vicuña R → Manubens A
Vidal-Cros A → Choquer M
Vierula PJ → McColl D

Viljoen-Bloom M → Volschenk H
Volschenk H, van Vuuren HJJ, Viljoen-

Wang H → Ramotar D
Wang W → Peng Z
Wendland J: PCR-based methods facilitate
targeted gene manipulations and cloning
procedures 115

Whiteford JR → Johnson H

Bloom M: Malo-ethanolic fermentation

in Saccharomyces and Schizosacchar-

omyces 379

Yoon JH → Kim TS Yu J → Lu L

Zakrzewska A, Migdalski A, Saloheimo M, Penttila ME, Palamarczyk G, Kruszewska JS: cDNA encoding protein O-mannosyltransferase from the filamentous fungus *Trichoderma reesei*; functional equivalence to *Saccharomyces cerevisiae PMT*₂ 11
Zambonelli A → Guidi C
Zeilinger S → Brunner K
Zeppa S → Guidi C
Żołądek T → Gajewska B

Indexed in/abstracted by: Current Contents/ Life Sciences; PubMed; Chemical Abstracts Service; BIOSIS Zoological Record; Index Medicus; EMBASE; Science Citation Index; Aquatic Sciences and Fisheries Abstracts